

Sporimune TM (cyclosporine capsules) USP MODIFIED



What is Sporimune™?

Sporimune[™] is an immunomodulating agent (modified cyclosporine) used to alter abnormal immune responses that cause the clinical signs of atopic dermatitis in dogs. Sporimune[™] is available in a capsule and can be used in dogs weighing more than 4 pounds.



What is atopic dermatitis?

Atopic dermatitis is one of the most common causes of itching in dogs. It results from an inherited predisposition to allergic reactions to environmental substances (allergens); these substances do not affect non-allergic individuals in this way. These are the same allergens (dust mites, pollens, molds, insect particles and animal danders) that cause human allergic conditions, such as hay fever or asthma. For most dogs, this disease is life-long.

What are the clinical signs of atopic dermatitis?

Any breed can be affected, although golden retrievers, boxers, Labrador retrievers, most terriers and German shepherds are most commonly affected. Atopic dogs will usually start to show signs of atopic dermatitis between 6 months and 3 years of age. The areas that are involved most commonly are the paws, face, ears, armpits and abdomen. These signs may be seasonal or year-round. The most common clinical signs are itching, scratching, biting, licking or chewing the skin and shaking or scratching the ears. Infected paws and ears, rashes and sores occur secondarily to atopic dermatitis.¹



How is atopic dermatitis diagnosed?

Because atopic dermatitis can present similarly to other skin diseases, your veterinarian will rule out parasites and infections as well as other allergies, including food or flea allergy. A thorough assessment of your dog's history and clinical signs will also need to be performed to support a diagnosis of atopic dermatitis.¹

What is the dosage of Sporimune™?

Sporimune[™] should be dosed at 5 mg/kg every 24 hours for 30 days and then may be tapered as indicated by your veterinarian. Commonly it can be tapered to every other day or even twice weekly to determine the minimum effective dosage, making it an affordable therapy for atopic dermatitis. Capsules should not be broken or opened. Wear gloves during administration. Wash hands after administration.

Why is Sporimune[™] beneficial in treating your dog's atopic dermatitis?

There are numerous benefits to using Sporimune[™] for atopic dermatitis. Corticosteroids are commonly used to treat atopic dermatitis; however, corticosteroids have many undesirable side effects, including increased thirst, urination, panting and obsessive eating. Long-term usage of corticosteroids also increases the tendency to develop secondary infections (bladder and skin), muscle weakness, liver disease and diabetes mellitus. Sporimune was designed to provide the same high effectiveness as steroids but without the long term side effects. It is also very cost friendly compared to other products for atopic dermatitis.

What are the precautions for SporimuneTM therapy?

Sporimune[™] should be used with caution in dogs with kidney disease or diabetes mellitus and with drugs that could affect its metabolism, including azole drugs. As with any immunomodulation therapy, exacerbation of certain conditions could occur and should be monitored by your veterinarian.

What side effects are associated with Sporimune™?

The most common side effect is stomach irritation exhibited by vomiting, diarrhea, or both. Most cases of vomiting and diarrhea will resolve with continued or reduced dosing. However, if vomiting or diarrhea occur, contact your veterinarian for recommendations to help with this side effect. Other less common side effects that have been reported with Sporimune™ include neoplasia, persistent ear infections, urinary tract infections, change in appetite, overgrowth of gum tissue, enlarged lymph nodes, and lethargy.

How is Sporimune™ supplied?

Sporimune[™] is supplied in 25 mg, 50 mg, and 100 mg capsules, making it a suitable treatment option for dogs of many sizes.



How can Dechra help?

Dechra offers many products that can help manage your pet's itch. Once your veterinarian determines the cause, he/she will recommend the appropriate products to use. It's important to follow these recommendations to ensure the best outcome for your pet, and to call your veterinarian if you have any questions or concerns.

Your	veterinarian	mav	recommend	
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- __Topical therapy (shampoo, spray, wipes, mousse)
- __ Supplements
- Anti-infectives
- __ Immunomodulation therapy
- Hypoallergenic diets

Track the Itch

ITCH RATING: 1 (LOW) TO 5 (HIGH)					
	1	2	3	4	5
WEEK 0					
WEEK 2					
WEEK 4					
WEEK 6					
WEEK 8					
WEEK 10					
WEEK 12					

Follow-up care

2. Notify the veterinarian if:
3. Recheck date:
Let your veterinarian know if you are having difficulty with treatment. There are many

options to help your pet and they can tailor

a plan to best fit your pet's needs.

Treatment recommended for your net is:

IMPORTANT SAFETY INFORMATION

As with all drugs, side effects may occur. Do not use Sporimune™ in dogs with a history of neoplasia, reproducing dogs, or dogs with a hypersensitivity to cyclosporine. Sporimune is a systemic immunosuppressant that may increase the susceptibility to infection and the development of neoplasia. For use only in dogs. Keep this and all drugs out of reach of children. Capsules should not be broken or opened. Wear gloves during administration and wash hands after. Gastrointestinal problems and gingival hyperplasia may occur at the initial recommended dose. Safety and effectiveness have not been established in dogs less than 6 months or 4 lbs. Use with caution in dogs with diabetes mellitus or renal insufficiency, and with drugs that affect the P-450 enzyme system. Killed vaccines are recommended. The most common adverse events are vomiting and diarrhea. Refer to the product insert for full prescribing information or visit www.dechra-us.com.

References

 Nuttall, T, Marsella, R, Rosenbaum, M, Gonzales, A, Fadok, V; Update on pathogenesis, diagnosis, and treatment of atopic dermatitis in dogs, JAVMA, June 1, 2019, Vol 254, No 11, 1291-1300.

Approved by FDA under ANADA # 200-627.
CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Sporimune[™] (cyclosporine capsules) USP MODIFIED

Caution: Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian. Keep this and all drugs out of reach of children. Descriptions Sportimize (cyclosporine capsules) USP MODIFIED is an oral form of cyclosporine that immediately forms a microemulsion in an aqueous environment. Cyclosporine, the active ingredient in Sportimum is a cyclic polypetplic, immune modulating apent consisting of 11 amino acids. It is produced as a metabolite by the fungal

species Beauveria nives.

Chemically, cyclosporine A is designated Cyclol[IC]-ES.SR.4RN-3-Hydroxy-4-methyl-2-methylaminol6-octenyl-L-2-aminobutyn-N-methyl-2-id-methyl-1-ieucyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-1-alaryl-N-methyl-1-alaryl-N-methyl-1-ieucyl-1-alaryl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-methyl-N-met

Indications: Sporimune is indicated for the control of atopic dermatitis in dogs weighing at least 4 lbs. 11.8 kg) body weight.

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Dose Administration			
Dog body weight (lbs)	Dog body weight (kg)	Dose 5 mg/kg	
4 - 6.5 lbs	2 – 2.9 kg	10 mg capsule	
6.6 - 9 lbs	3 – 3.9 kg	2 x 10 mg capsules	
9.1 – 16 lbs	4 – 7.9 kg	25 mg capsule	
16.1 - 33 lbs	8 – 14.9 kg	50 mg capsule	
33.1 - 64 lbs	15 – 28.9 kg	100 mg capsule	
64.1 – 79 lbs	29 – 35.9 kg	100 mg capsule +50 mg capsule	
79.1 - 121 lbs	36 – 55.9 kg	2 x 100 mg capsules	

Contraindications: Sporimune is contraindicated for use in dogs with a history of neoplasia. Do not use in dogs with a hypersensitivity to cyclosporine. Warnings: Sporimune is a systemic immunosuppressant that may increase the susceptibility to infection and the development of neoplasia.

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For use only in the safety and effectiveness of Sporimum has not been established in dogs less than 6 months of age or less than 4 lib body weight. Sporimum is not for use in breeding dogs, pregnant or lactating blothers or gap or less than 4 lib body weight. Sporimum is not for use in breeding dogs, pregnant or lactating blothers.

Gastroinistenia problems and gindned hyperplass in any occur at the intillar recommended does (See Anima Safety).

Sporimum may cause elevated levels of serum plucose, and should be used with caution in cases with diabetes mellitus. It signs of diabetes mellitus develop following the use of Sporimume consideration should be used with caution with drugs that affect the P-450 enzyme system, Simultaneous administration of Sporimum eshould be used with caution with drugs that suppress the P-450 enzyme system, such as acute (see, Actoonazole), may lead to Sporimum eshould be used with caution in dogs with read in sufficiency.

There have been reports of convulsions in human adult and pediatric patients receiving cyclosporine, particularly in this continuation of the study of the such as acute (see, Actoonazole), may lead to Since the effect of eye depositions. Sporimume because the impact of cyclosporine capsules.

For use of the study with development of the study due to the field study

Number of Dogs Displaying Each Clinical Observation in the Field Study

Clinical Sign	% out of 265
Vomiting	30.9%
Diarrhea	20.0%
Persistent Otitis Externa	6.8%
Urinary Tract Infection	3.8%
Anorexia	3.0%
Lethargy	2.3%
Gingival Hyperplasia	2.3%
Lymphadenopathy	2.3%

The following clinical signs were prepared in less than 2% of dogs treated with cycloaporine in the field study constitution, flatilities and constitution of constitutions and constitutions of constitutions of

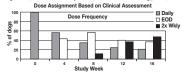
loss, hispatilis.

The following clinical signs were observed in 1.5-4.5% of dogs while receiving the placebox ormiting, diarrhea and urinary tract infection. The following clinical signs were observed in less than 1% of dogs receiving the placebox ancrexia, othis externa, cutaneous cysts, corneal opacity, lymphadenopathy, erytheral/fushed appearance. Clinical Pathology Changes: During the study, some dogs experienced changes in clinical chemistry parameters while receiving cyclosporine, as described in the following table:

Clinical Chemistry	% Affected (out of 265)
Elevated Creatinine	7.8%
Hyperglobulinemia	6.4%
Hyperphosphatemia	5.3%
Hyperproteinemia	3.4%
Hypercholesterolemia	2.6%
Hypoalbuminemia	2.3%
Hypocalcemia	2.3%
Elevated BUN	2.3%

In addition, the following changes in clinical chamistry, parameters were noted in less than 2% of dogs: hypernaternish proceduring, elevated ALT, elevated alternative events are based on particular elevated and experience reporting. The following adverse events are based on particular elevated and events are based on particular elevated and events are to based on particular elevated events are to based on particular elevated events are to based on particular elevated events are grouped by body system and are presented in decreasing order of reporting frequency. Castrointestinate, trensit, elevated in elevated events are grouped by body system and are presented in decreasing order of reporting frequency. Castrointestinate, trensit, elevated in elevated events are grouped by body system and are presented in decreasing order of reporting frequency. Castrointestinate, trensit, elevated in elevated events are grouped by body system and are presented in decreasing order of reporting frequency. Castrointestinate, trensit, elevated in elevated events are grouped by body system and are presented in decreasing order of reporting frequency. Castrointestinate, an elevated events are grouped by body system and are presented in the elevated elevated events are grouped by body system and are presented in the elevated elevated events. In the elevated e

received either cyclosporine capsules at 5 mg/kg/dgy or placebo capsules. After 30 days, placebo dogs were switched to cyclosportine capsules for a total of 4 months. No additional thrapy with antihistamines, corticosteroids or medicated shampoos was permitted, corticosteroids or medicated shampoos was permitted, corticosteroids or medicated shampoos was permitted, corticosteroids or medicated shampoos was permitted. As the corticosteroids or medicated shampoos was permitted, corticosteroids or medicated shampoos was permitted. As the corticosteroids or medicated shampoos was permitted, and the corticosteroids or medicated shampoos was permitted. ACRESI socretion of dogs treated with placebo worsened by 9% Seventy-four while corticosteroids or provided that the corticosteroid or provided socretion of the corticosteroids or provided or



Analysis of blood levels of cyclosporine drawn during the study demonstrated no correlation between blood cyclosporine levels and CADESI scores or pruritus; therefore monitoring blood cyclosporine levels is not an appropriate predictor of

Analysis of blood levels of cyclosporine drawn during the study demonstrated no correlation between blood cyclosporine releval and CADE's access or practice, therefore molinoring blood cyclosporine levels is not an appropriate predictor of Animal Safety: In a 52-week cral study with dose levels of 0, 1, 3, and 9 times the target initial daily dose, emesis, darmha and weight loss were seen in all cyclosporine treated groups with increasing frequency as the dose increased. Multilocaler papilloma-like leatons of the skin were observed in 5 out of 8 high dose animals between weeks 20 and 40. Other findings in this mid and high dose animals between weeks 20 and 40. Other findings in this mid and high dose animals between weeks 20 and 40. Other findings were stopped to the week of the skin were observed in 5 and 16.4. Hematological findings consisted of anemia and ecreased leukocyto courts in a few high dose animals. Cythrocyte secimentation rates were noreased at all cose levels in a dose dependent bashon. Notable histopathological findings were limited to hymphol atrophy, hyperfords were shown to be reversible durings at 24-week recovery phase of the study seleval in sign dose animals. The findings were shown to be reversible during a 12-week recovery phase of the study seleval in sign dose animals. The findings were shown to be one of the study with cyclosporine, dogs were dosed in one of two patterns: either 1, 3, of 5X the maximum recommended target intial daily dose courses callus-like lesions on the footpads, red/swollen pinnae, mild to moderate gringling profileration, hyperkeraticity areas on the integrument, har loss, salvation, vomiting, and distribution and stooks. These clinical signs lessened in severity or resolved as the drug was tapered to a lower dose, horeased entry to be a supprediction and the study of the supprediction and suppredictions. The propropolation and the supprediction and the

and hypompasemia were observed at three and five times the maximum recommended dose. These resolved as the and representation of the control of the control

How Supplied:
Sportmune is supplied in packages of 15 unit-dose blisters as follows:
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10 mg: oval, off-white capsules imprinted with black "D 10" (NDC 17033-261-15).
55 mg: oval, org. org. passules imprinted with black "D 25" (NDC 17033-261-15).
50 mg: oblong, off-white capsules imprinted with black "D 50" (NDC 17033-262-15).
Told mg: oblong, gray capsules imprinted with black "D 10" (NDC 17033-263-15).

Approved by FDA under ANADA # 200-627

Manufactured for: Dechra Veterinary Products 7015 College Boulevard, Suite 525 Overland Park, KS 66211 USA

Sporimune is a trademark of Dechra Veterinary Products, LLC.

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24-hour Veterinary Technical Support available (866) 933-2472, www.dechra-us.com, support@dechra.com

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